



COMMONWEALTH of VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 012222  
CERTIFICATION DATE: November 26, 2013  
DATE RECERTIFICATION DUE: May 25, 2014

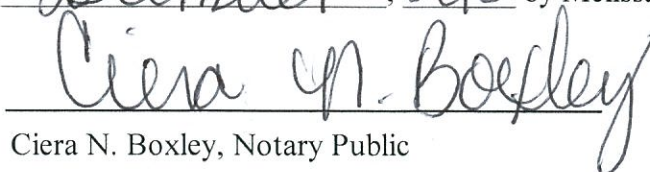
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

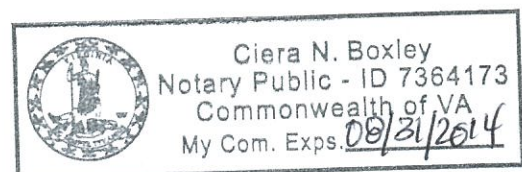
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of  
December, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014  
TLN



Department of Forensic Science  
Breath Alcohol Section  
Instrument Location History  
1/1/1990 To 11/26/2013

mmB  
PWS

Instrument Serial Number:	012222	As of 26-Nov-13
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Start Date	End Date	Agency Name
26-Nov-13		Chesterfield County PD
10-Dec-12	26-Nov-13	DFS Central Lab
26-Oct-12	10-Dec-12	Chesapeake PD
16-May-12	26-Oct-12	DFS Central Lab

Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 11/26/2013

MMB  
DBH

Instrument Serial Number: 012222 As of 26-Nov-13

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
26-Nov-13	26-Nov-13	MMB (26417)	CERTIFIED.
26-Sep-13	26-Sep-13	MMB (26417)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
14-Nov-12	14-Nov-12	DBH (21250)	CERTIFIED
26-Oct-12	26-Oct-12	DBH (21250)	CERTIFIED.
17-Oct-12	17-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
03-Oct-12	03-Oct-12	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmB  
NHL

# INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 012222 Worksheet Start Date 11/26/2013  
Location Chesterfield Co ADC  
Address 6900 Mimms Dr Chesterfield VA 23832  
DFS Technician Michelle Billeter License No. 26417

☐ Laboratory ☒ On-Site

## Site Specifications

Yes No

### 1 Secured Environment:

Location must not be accessible to the general public.

☒ ☐

### 2 Environment free from contaminants

☒ ☐

### 3 Dedicated telephone line:

The phone line should be used solely by the instrument.

☒ ☐

### 4 Adequate Ventilation:

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.

☒ ☐

### 5 Stable temperature controls:

The instrument should not be exposed to direct sources of temperature variation.

☒ ☐

### 6 115VAC power source:

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.

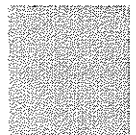
☒ ☐

### 7 Room Condition:

The site should be free of excessive moisture, heat and dust.

☒ ☐

Old serial no.	New serial no.	Supplies
E-Seek	2000104296	Mouthpieces
Keyboard	6GHZ142101	Certificates of Analysis
Printer	8GECEB81193	Operator Worksheet
UPS	JB0802016672	Other:



Maintenance (if any)  
INSTALLED AT CHESTERFIELD CO ADC.

Comments (if any)

Instrument Serial Number 012222

Certification Date 11/26/2013

Instrument Barometer (mm HG) 760

Reference Barometer (mm HG) 763

Reference Barometer(RB)Serial # 009111

RB Calibration Due 5/23/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.250	0.242	0.257	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.251
0.002		0.251	0.253		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.151
0.001		0.151	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG217702-28

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

*Michelle Bellin*

Date

11/26/13

Issuing Analyst

*Melissa Kennedy*

Date

12/1/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

*TLN*

DFS Document 250-F113

Revision 6

Page 2 of 2

MMB  
NOK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 211  
Test Date: 11/26/2013      Test Time: 09:12 EST

Technician Initials: MMB

Dry Gas Target: 0.250

Lot Number: 0651225015-02      Exp Date: 04/01/2014

Tank Pressure: 526 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:13
BLK	0.000	09:13
CHK	0.253	09:14
BLK	0.000	09:15
CHK	0.252	09:16
BLK	0.000	09:17
CHK	0.251	09:18
BLK	0.000	09:19

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

mmB

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 212  
Test Date: 11/26/2013      Test Time: 09:21 EST

Technician Initials: MMB  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:21
BLK	*,***	09:21

**Operator abort**

Standard Value (at sea level): 1.000 g/210L

Certification Status: Failure

mmB

Entered incorrect tank  
concentration into instrument  
memory. 112613  
mmB

MMB

MMB

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 213

Test Date: 11/26/2013      Test Time: 09:22 EST

Technician Initials: MMB

Dry Gas Target: 0.150

Lot Number: 0651215014-06      Exp Date: 04/01/2014

Tank Pressure: 61 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:22
BLK	0.000	09:23
CHK	0.152	09:24
BLK	0.000	09:25
CHK	0.152	09:26
BLK	0.000	09:27
CHK	0.151	09:28
BLK	0.000	09:29

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued



mmB

WHL

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 214

Test Date: 11/26/2013      Test Time: 09:30 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 06512080I2-06      Exp Date: 04/01/2014

Tank Pressure: 95 psi      Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	09:31
BLK	0.000	09:31
CHK	0.081	09:32
BLK	0.000	09:33
CHK	0.081	09:34
BLK	0.000	09:35
CHK	0.081	09:36
BLK	0.000	09:37

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

mmB

*mmB*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 215

Test Date: 11/26/2013      Test Time: 09:39 EST

Technician Initials: *MMB*

Dry Gas Target: 0.020

Lot Number: 0651202011-07      Exp Date: 04/01/2014

Tank Pressure: 178 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	09:40
BLK	0.000	09:40
CHK	0.020	09:41
BLK	0.000	09:42
CHK	0.020	09:43
BLK	0.000	09:44
CHK	0.020	09:45
BLK	0.000	09:46

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

mmB

WLL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 216

Test Date: 11/26/2013      Test Time: 09:48 EST

Dry Gas Target: 0.300

Lot Number: AG322702-03      Exp Date: 08/15/2015

Tank Pressure: 183 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:49
CHK	0.304	09:50
BLK	0.000	09:51
CHK	0.303	09:52
BLK	0.000	09:53
CHK	0.303	09:54

Test Status: *Success*

Calibration CRC: 20E3A79E

mmb

NSL

**Intox EC/IR-11: Accuracy Check**

*Department of Forensic Science*

Serial Number: 012222      Test Number: 217

Test Date: 11/26/2013      Test Time: 09:57 EST

Dry Gas Target: 0.100

Lot Number: AG217702-28      Exp Date: 06/25/2014

Tank Pressure: 924 psi      Barometric Pressure: 759 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	09:58
CHK	0.100	09:58
BLK	0.000	10:00
CHK	0.100	10:01
BLK	0.000	10:02
CHK	0.100	10:03

Test Status: *Success*

Calibration CRC: 20E3A79E



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  BILLETER, MICHELLE, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  26417	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  11/26/2013
TEST EQUIPMENT NUMBER  012222		

RESULTS: TIME SAMPLE TAKEN 10:10 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 26 Nov 2013 at 14:23

mmB

NW

## Test Results

Instrument Serial Number 012222

Test # 000218 Subject Test

Test Location 1 Department of  
Test Date 26 Nov 2013

Test Location 2 Forensic Science  
Test Time 10:04  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name BILLETER  
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M  
License Number 26417

Card Serial Number 126417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 26 Nov 2013 End Time 10:11

Result Time 10:10

Result Date 26 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 10:04

Data Type BLK

Sample Value 0.000

Sample Time 10:05

Data Type CHK

Sample Value 0.100

Sample Time 10:06

Data Type BLK

Sample Value 0.000

Sample Time 10:07

Data Type SUBJ

Sample Value 0.000

Sample Time 10:08

Data Type BLK

Sample Value 0.000

Sample Time 10:09

Data Type SUBJ

Sample Value 0.000

Sample Time 10:10

Data Type BLK

Sample Value 0.000

Sample Time 10:11

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG217702-28

Standard Expiration Date 06/25/2014

Tank Pressure 914

Barometric Pressure 759 mmHg

Blow Sample Number 1 Blow Duration 3.94 sec

Blow Volume 1676 cc End-of-Blow Time 10:08

Blow Sample Number 2 Blow Duration 3.85 sec

Blow Volume 1692 cc End-of-Blow Time 10:10

Tamper Evident Stamp acd0c97a

Test Status Code 0

Test Status Success